

July 17th, Class Assignment

Prior to Class:

Under Entomology Module, Read the Overview, Chapter 14 (Entomology) from on-line Blackboard or thumb drive. There is no reading for Native Plants.

- Review “*Beneficial Insects, Spiders, and Other Mini-Creatures in Your Garden*” which you can find and download at <http://cru.cahe.wsu.edu/CEPublications/EM067E/EM067E.pdf>
- Watch all the videos & presentations except for the 1st one “Basic Entomology”.
- Do the Crossword Puzzle and Insect Anatomy Exercise.
- For a handy pocket guide to beneficial insects, download “*Common Natural Enemies of Crop and Garden Pests*”. You’ll find a link to it in the on-line training or thumb drive right under Chapter 14 or at the following web link http://www.ipmnet.org/Posters_and_Presentations/Pocket_Guide_Natural_Enemies.pdf These are beneficial insects with which you should become familiar.
- Begin collecting a variety of insects for the class. Check underneath leaves, along the soil line, and other places insects hang out. Try to collect as many varieties as possible. All insects except butterflies and moths can be stored in small glass jars with tight-fitting lids using isopropyl alcohol (ordinary rubbing alcohol) to preserve them. Butterflies and moths should be trapped between two layers of cotton balls inside a jar then frozen. I have many small containers if you need some to collect your insects.
- To collect ground-dwelling insects, make a ground trap following the instructions on the next page.
- Check the undersides of leaves for insect eggs.
- If you have time, check out this web page for good pictures and information about a variety of insects that attack plants in the Pacific: <http://oregonstate.edu/dept/nurspest> and <http://invasives.wsu.edu/defoliators>
- There is no reading for the Native Plants class as there is nothing in the Master Gardener training but we will have a slide show presentation and I’ve included a useful web site below. Washington Native Plant Society provides a wealth of information about native plants: <http://www.wnps.org/landscaping/index.html>

Morning Class:

Entomology.

Afternoon Class:

Native Plants & Tour to Art Fuller’s Property in Winlock. We will be carpooling and whoever lives South will be able to leave from the tour. Directions will be provided the day of class.

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Pitfall trap. A pitfall trap will catch soil inhabitants including ground beetles, springtails, and other crawling insects. It consists of a trap made with a plastic cup or glass jar that is buried in the soil, level with the rim so that insects attracted to it will fall in. Once inside the trap, insects cannot get out. Cover the trap with a board placed on small stones so insects can crawl under it and into the can. This arrangement will protect the trap from wind and rain, but allow access to the insects you want to catch. It will also help to hold insects inside the trap once they are caught. Remove the insects that you catch each morning. You will be surprised.



NOTE: I will have a nice prize for the trainee who collects and brings the most insects to class. They must be different varieties, not many of the same variety.

If you have any problems or questions especially with Blackboard, please send them to me via e-mail art.fuller@lewiscountywa.gov or call the office 360-740-1216.

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